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Complete if Known

Application Number	10/008,152
Filing Date	December 4, 2001
First Named Inventor	Nelken
Art Unit	2121
Examiner Name	Davis
Attorney Docket Number	PA2325US

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

**Examiner
Signature**

George Davis

Date
Considered

5/29/05

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U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
C-8		US- 5,040,141	08-13-1991	Yazima et al.	RECEIVED
C-8		US- 5,265,033	11-23-1993	Vajk et al.	JAN 26 2005
C-9		US- 5,377,354	12-27-1994	Scannell et al.	Technology Center 2100
C-8		US- 5,483,466	01-09-1996	Kawahara et al.	
C-8		US- 5,487,100	01-23-1996	Kane	
C-8		US- 5,493,692	02-20-1996	Theimer et al.	
C-9		US- 5,694,616	12-02-1997	Johnson et al.	
C-9		US- 5,864,848	01-26-1999	Horvitz et al.	
C-9		US- 5,974,465	10-26-1999	Wong	
C-9		US- 6,021,403	02-01-2000	Horvitz et al.	
C-8		US- 6,035,104	03-07-2000	Zahariev	
C-8		US- 6,067,565	05-23-2000	Horvitz	
C-8		US- 6,182,059	01-30-2001	Angotti et al.	
C-8		US- 6,185,603	02-06-2001	Henderson et al.	
C-7		US- 6,282,565	08-28-2001	Shaw et al.	
C-9		US- 6,327,581	12-04-2001	Platt	
C-8		US- 6,424,995	07-23-2002	Shuman	
C-9		US- 6,442,589	08-27-2002	Takahashi et al.	
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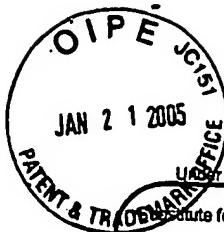
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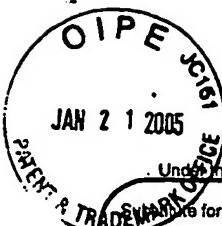
NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
G-J		BREESE et al, "Empirical Analysis of Predictive Algorithms for Collaborative Filtering," Proc. of the 14th Conf. on Uncertainty in Artificial Intelligence, July 1998.	
G-J		CZERWINSKI et al, "Visualizing Implicit Queries for Information Management and Retrieval," Proc. of CHI 1999; ACM SIGCHI Conf. on Human Factors in Computing Systems, 1999.	
G-J		DUMAIS et al., "Inductive Learning Algorithms and Representations for Task Categorization," Proc. of 7th Intl. Conf. on Information & Knowledge Management, 1998.	
G-J		HORVITZ, "Principles of Mixed-Initiative User Interfaces," Proc. of CHI 1999; ACM SIGCHI Conf. on Human Factors in Computing Systems, 1999.	
G-J		HORVITZ et al., "Display of Information for Time-Critical Decision Making," Proc. of the 11th Conf. on Uncertainty in Artificial Intelligence, July 1995.	
G-J		HORVITZ et al., "The Lumiere Project: Bayesian User Modeling . . .," Proc. of the 14th Conf. on Uncertainty in Artificial Intelligence, July 1998.	
G-J		HORVITZ et al., "Time-Dependent Utility and Action Under Uncertainty," Proc. of the 7th Conf. on Uncertainty in Artificial Intelligence, July 1991.	
G-J		HORVITZ et al., "Time-Critical Action: Representations and Application," Proc. of the 13th Conf. on Uncertainty in Artificial Intelligence, July 1997.	
G-J		KOLLER et al., "Toward Optimal Feature Selection," Proc. of 13th Conf. on Machine Learning, 1996.	
G-J		LIEBERMAN, "Letizia: An Agent That Assists in Web Browsing," Proc. of International Joint Conference on Artificial Intelligence, 1995.	

Examiner Signature	George Davis	Date Considered	5/29/05
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
C-9		PLATT, "Fast Training of Support Vector Machines Using Sequential Minimal Optimization," Advances in Kernel Methods: Support Vector Learning, MIT Press, Cambridge, MA, 1999.	
G-9		PLATT, "Probabilistic Outputs for Support Vector Machines & Comparisons to Regularized Likelihood Methods," Adv. in Large Margin Classifiers, MIT Press, Cambridge, MA, 1999.	
G-0		SAHAMI et al. "A Bayesian Approach to Filtering Junk E-Mail," Amer. Assoc. for Art. Intell. Technical Report WS-98-05, 1998.	
G-D		COHEN, "Learning Rules that Classify E-Mail," AT&T Laboratories, 1996.	
G-9		LEWIS, "Evaluating and Optimizing Autonomous Text Classification Systems," ACM SIGIR, 1995.	
G-9		LEWIS et al., "Training Algorithms for Linear Text Classifiers," ACM SIGIR, 1996.	
G-9		APTE et al., "Automated Learning of Decision Rules for Text Categorization," ACM Transactions on Information Systems, Vol. 12, No. 3, 1994.	
G-9		LOSEE, JR., "Minimizing Information Overload: The Ranking of Electronic Messages," Journal of Information Science 15, 1989.	
G-9		JOACHIMES, "Text Categorization with Support Vector Machines: Learning with Many Relevant Features," Universitat Dortmund, Germany, 1998.	

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